

Newsletter Contents: 17th annual **Catalyst Grant** awardees, new **UWM Startups**, schedule a **UWM Research Foundation** talk.

UWM Scientists Receive \$250,000 for Groundbreaking Research

The **Catalyst Grant Program** has provided \$6 million, supporting 114 projects that resulted in 66 issued patents, 50 pending patents, 30 license agreements, and over \$40.7 million in follow-on investments. This support has also launched 18 UWM startups. Catalyst projects have achieved nearly a seven-fold return in follow-on grants and investments. This year, five new UWM projects will each receive \$50,000 to advance research in drug discovery, breast cancer treatment, solar energy, infrastructure safety, and cybersecurity. These projects highlight the University's dedication to addressing critical challenges and driving innovation.

- Dr. **Arjun Saha**, Dept. of Chemistry and Biochemistry | **Advanced Computer Models to Find New Treatments for Skin Disease and Leukemia**
- Dr. **Qingsu Cheng**, Dept. of Biomedical Engineering | **Breast Cancer-Fighting Proteins from Healthy Cells**
- Dr. **Nikolai Kouklin**, Dept. of Materials Science and Engineering; Dr. **Konstantin Sobolev**, Dept. of Civil and Environmental Engineering | **Low-Cost Materials for Better Solar Panels**
- Dr. **Jian Zhao**, Dept. of Civil and Environmental Engineering; Dr. **Nathan Salowitz**, Dept. of Mechanical Engineering | **Device to Safely Test Anchors in Concrete Structures**
- Dr. **Zhen Zeng**, Dept. of Computer Science | **Improving Cybersecurity for Advanced Manufacturing Systems**



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New Startups Aim to Take UWM Innovations to Market

Four new companies founded by UWM faculty and student inventors.

According to a 2022 World Intellectual Property Organization report, startups are increasingly involved in licensing technologies, with over 60% of patents in certain high-tech fields being licensed by startups. In the past year, our faculty and student inventors founded new companies to commercialize their promising technologies. Check them out below.

PerryMedical | Device to help first responders | William Perry

This company started to develop a device that will help first responders and caregivers safely move bariatric patients.

Elafar Therapeutics | Drug for Improving Memory | Dr. M Mahmum Hossain

Elafar is developing a potential drug for improving memory loss due to aging and neurogenerative diseases such as Alzheimer's.

RoboHeal Innovations | Therapeutic Robotics | Dr. Habib Rahman

This startup to create cutting-edge robotic solutions designed to empower individuals with upper and lower limb dysfunctions.

SequiDose | Medication Delivery System | Jessica Rotier and Osvaldo Sepulveda

Startup founded to commercialize a revolutionary multidose medication delivery system with the potential to improve procedural efficiency and reduce infections.

Events

Schedule a UWM Research Foundation Talk for Your Department

As the new semester approaches, keep in mind the UWM Research Foundation team is happy to present at faculty and student meetings. We offer talks on intellectual property basics, the IP protection and commercialization process at UWM, and federal commercialization grants, such as SBIR, GOALI, and PFI. For more information and scheduling, please contact Brian Walsh (brianw@uwmrf.org).

Book Now

Refine your NSF SBIR/STTR Proposal
Sept 12, 2024 | All-day intensive session | LEC
[Register Today!](#)

If you're hoping to tap into \$200M+ in non-dilutive funding to expand your research and work towards commercializing your novel idea, NSF SBIR/STTR is for you! Wisconsin CTC is partnering with BBCetc and UWM Research Foundation to bring you access to expert consultants at no-cost. Join our SBIR Classroom for an interactive, full-day, intensive of the NSF SBIR/STTR grant program.

Additionally, we will take a deep dive into the NSF program specifics so you're equipped to submit a successful proposal.



NIH - National Cancer Institute SBIR Information Session

Sept 17, 2024 | 11:30 AM - 1:30 PM
**(includes lunch) | Medical College of Wisconsin,
Bolger Auditorium**



Program directors from the National Cancer Institute SBIR program will discuss federal R&D grant opportunities for startups and small businesses. Also covered, will be Small Business Transition Grants, which support early-career academic scientists in moving to entrepreneurship.